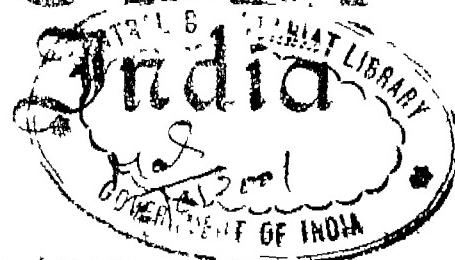




# भारत का राजगान

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY



सं० ८] नई दिल्ली, शनिवार, फरवरी २४, २००१ (फाल्गुन ५, १९२२)  
No. 8] NEW DELHI, SATURDAY, FEBRUARY 24, 2001 (PHALGUNA 5, 1922)

, इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के हृष से रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड २ (PART III—SECTION 2)

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस  
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Calcutta, the 24th February 2001

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Building, 5th, 6th & 7th  
Floors, 234/4, Acharya Jagadish  
Bose Road, Calcutta-700 020

Rest of India

Telegraphic address "PATENTS"  
Phone No. 247 4401  
Fax No. 033 247 3851

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## पेटेंट कार्यालय

एस्यु नंदा अधिकारी

कलकत्ता, दिनांक 24 फरवरी 2001

पेटेंट कार्यालय के कार्यालयों के एवं औन्हाधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कनकता में स्थित है तथा मुख्य, दिल्ली एवं चैन्सरी में इसके शास्त्र कार्यालय हैं, जिनके प्राविष्ठिक औन्हाधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं।—

पेटेंट कार्यालय शास्त्र, टोडी हस्तांत्रीमण्डल, नोब्रर परल (प.) ८०४८५-४०० ०१३.

गुजरात, महाराष्ट्र, भृष्ट प्रदेश  
शास्त्र औन्हाधिकार जोन एवं पंच  
शास्त्रिय क्षेत्र, दामन तथा दीव एवं  
दानकुर औन्हाधिकार जोनी।

तार पता—"पेटेंटिफिस"

फोन : 482 5092 फैक्स : 022 495 0622

पेटेंट कार्यालय शास्त्र

एकक सं. 401 से 405, तीमरा तल,  
गोपनीय उत्तरांश भृष्ट,  
मरात्ती भृष्ट छगोल बाग,  
८०४८५-१० ००५

हरिहराणा दिवानचल प्रदेश, जम्मू  
तथा कश्मीर, पंजाब, राजस्थान,  
गोपनीय गोपनीय गोपनीय  
श्रेष्ठों तथा मंदि शास्त्रिय श्रेष्ठ श्रंगील।

तार पता - "पेटेंटिफिस"

फोन : 578 2532 फैक्स : 011 576 6204

पेटेंट कार्यालय शास्त्र,  
चिंग सी (सी-४, ए),  
तीमरा तल, गोपनीय भृष्ट, दानकुर नगर,  
८०४८५-६०००९०।

भारत एडोनी कार्यालय केरल तमिलनाडू  
तथा पाण्डिचेरी राज्य क्षेत्र एवं  
गंग शास्त्रिय क्षेत्र, लक्ष्मीपुर मिनिकार्य  
शास्त्र एनीमेन्डिव दीपी।

तार पता—"पेटेंटिफिस"

फोन : 490 1495 फैक्स : 044 490 1492

पेटेंट कार्यालय (भारत कार्यालय)  
मित्राम एनेम दिवनीय राज्य-शास्त्रीय कार्यालय  
भृष्ट ५, ६ तथा ७वं तल  
२३४/४ आचार्य जगदीश जोन शास्त्रीय  
कलकत्ता-७०० ०२०।

भारत का अवशेष क्षेत्र।

तार पता - "पेटेंटिफिस"

फोन : 247 4401 फैक्स : 033 247 3851

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 1909 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा घोषित मध्यी आवैदन, सूचनाएँ, विवरण या अन्य दस्तावेज या कोई कीस पेटेंट कार्यालय के बीच सम्बद्ध कार्यालय में ही ग्रहण किये जाते हैं।

इलक्स • इलक्सों की अदायगी या तो सकद की जाएगी अथवा जहां उपयुक्त कार्यालय अवैस्थित है, उस स्थान के अनुसूचित बैंक में नियंत्रक को भृत्यान् योग्य बैंक हाफ्ट अथवा चैक द्वारा की जा सकती है।

661/Cal/2000. General Electric Company. Fluted compressor flowpath. (Convention No. 09/507,408 filed on 18-2-2000 in U.S.A.).

29-11-2000

662/Cal/2000. Stahlecker Fritz. Stahlecker Hans. A transport belt for transporting a fibre strand to be condensed. (Convention No.(s) 10002506.4 filed on 21-1-2000 and 10029301.8 filed on 14-6-2000 in Germany).

30-11-2000

663/Cal/2000. Deutsche Thomson-Brandt GmbH. Device for reading from and/or writing to optical recording media. (Convention No. 19961440.7 filed on 20-12-99 in Germany).

1-12-2000

664/Cal/2000. Deutsche Thomson-Brandt GmbH. Method and apparatus to detect a signal received from a channel signal. (Convention No. (s) 99125686.8 filed on 22-12-99 and 00108898.8 filed on 27-4-2000 in EPO).

665/Cal/2000. Moriyama Kogyo Kabushiki Kaisha. Stator of a rotating machine. (Convention No. HFI 11-342216 filed on 1-12-99 in Japan & No. unknown filed on 27-11-2000 in U.S.A.).

APPLICATION FOR THE PATENT FILED AT THE  
HEAD OFFICE  
234/4, ACHARYA JAGDISH BOSE ROAD  
CALCUTTA-700 020

The dates shown in the crescent brackets are the dates claimed under section 135, under Patent Act, 1970

27-11-2000

655/Cal/2000. Roger, C. Y. Chung. Bottom opened type invisible zipper with a movable bottom-end piece.

656/Cal/2000. Emami Limited. Process for the preparation of an improved herbal face cream to cure blemishes, acne, pimples and to improve the skin complexion.

657/Cal/2000. Eaton Corporation. Synchronizer. (Convention No. 99288912 filed on 8-12-99 in UK).

658/Cal/2000. Eaton Corporation. Synchronizer. (Convention No. 9928892.0 filed on 8-12-99 in UK).

28-11-2000

659/Cal/2000. Dr. Jagdish Narain Mishra. A device to measure deviations in discharge rate.

660/Cal/2000. Dr. Jagdish Narain Mishra. A device to measure circumferential pressure deviations

666/Cal/2000. Honda Giken Kogyo Kabushiki Kaisha. Vehicle body structure for improved crash safety. (Convention No. 11-345999 and 11-346006 filed on 6-12-99 and 6-12-99 respectively in Japan).

667/Cal/2000. McDermott Technology, Inc. & The Babcock & Wilcox Company. Air distribution devices for low-Nox pulverized fuel burners. (Convention No. 09/537,377 on 29-3-2000 in United States of America).

5-12-2000

668/Cal/2000. Degussa-Huls Aktiengesellschaft. Flowable pellets containing nicotinamide and process for the production thereof. (Convention No. 199 59668.9 on 10-12-99 in Germany).

669/Cal/2000. Deutsche Thomson-Brandt GmbH. Device for wireless reception of radio signals. (Convention No. 19959715.4 on 10-12-99 in Germany).

670/Cal/2000. Dr. Tridibesh Mukherjee and Mr. Lalit Mohan Chatterjee and Mr. Dwarika Nand Jha and The Tata Iron & Steel Company Limited. A process for depositing a protective layer on the hearth wall of a furnace.

671/Cal/2000. Moriyama Kogyo Kabushiki Kaisha. Stator of an AC Generator. (Convention No. HEI 11-345923 filed on 6-12-99 in Japan).

7-12-2000

672/Cal/2000. TCM Corporation. Side fork type carrying vehicle.

673/Cal/2000. Indian Institute of Technology. Improved bubble column for simultaneous scrubbing of particulate and gaseous matters.

### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना वी आरी है कि संबद्ध वार्षिक में से किसी पर पट्टें अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके लिए की तिथि से चार (4) महीने या अग्रिम प्रैसी अवधि तक उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पट्टें (संशोधन) नियम, 1999 के तहत विहित प्रूप 4 पर अगर आवंदित हो, एक महीने की अवधि से अधिक हो, के भीतर कभी भी लिये एकत्र की उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रूप 7 पर दे सकते हैं। विरोध संबंधी लिखित वकाल वा प्रतिवार्ता में साक्ष के साथ, यदि कोई हो, उक्त सूचना के साथ या पट्टे (संशोधन) नियम, 1999 द्वारा संशोधित नियम-36 के तहत यथाविहित उक्त सूचना की तिथि से 60 दिन के भीतर काढ़ा कर दिए जाने चाहिए।

प्रत्येक विनिर्देश के सर्वमें में वीज वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप है।

विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अंकित प्रतिवार्ता की आपूर्ति पट्टे कार्यालय या उसके साथ कार्यालयों से यथाविहित फोटोप्रिंट शूलक उक्त दस्तावेज के 10 रुपए प्रति पृष्ठ वर्त 30 रुपए की अदायगी पर की जा सकती है।

ऐसी परीक्षित में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं हो, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की कार्यालयों की आपूर्ति पट्टे कार्यालय या उसके साथ कार्यालयों से यथाविहित फोटोप्रिंट शूलक उक्त दस्तावेज के 10 रुपए प्रति पृष्ठ वर्त 30 रुपए की अदायगी पर की जा सकती है।

### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-

Ind. Cl. : 107 F

185531

Int. Cl. : F 02 P 3/02.

### CAPACITATIVE DISCHARGE IGNITION SYSTEM FOR INTERNAL COMBUSTION ENGINES.

Applicant : ORBITAL ENGINE COMPANY (AUSTRALIA) PTY. LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF WESTERN AUSTRALIA, OF 1 WHIPPLE STREET, BALCATTA, 6021, WESTERN AUSTRALIA, AUSTRALIA.

Inventor(s) :

1. MARK RAYMOND KITSON—AUSTRALIA
2. PETER JOSEPH AYRE—AUSTRALIA.

Application for Patent No. : 1101/Del/91 filed on 15-11-91.

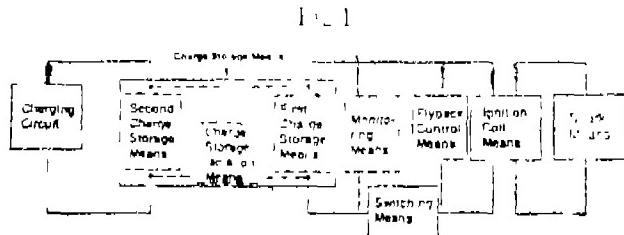
Convention Application No. : PK 3373/Australia/15-11-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

### 9 Claims

Capacitative discharge ignition system for internal combustion engines, comprising a charge storage device coupled to the primary coil of an ignition coil device having a secondary coil thereof coupled to a spark plug characterized in that a switching device is coupled to said charge storage device and the primary coil for discharging said charge storage device to provide a primary current through said primary coil

for enabling said spark plug to generate a spark, said switching device terminating said primary current in the primary circuit to induce a flyback potential across said primary coil to regenerate said spark for increasing the total spark duration, said switching device terminating said primary current at about the time when said charge storage device is substantially fully discharged.



(Compl. Specn : 18 Pages.

Drgns : 3 Sheets)

Ind. Cl. : 50 D.

185532

Int. Cl. : C 09 K. 5/00.

#### NON AZEOTROPIC REFRIGERANT COMPOSITIONS.

Applicant : ALLIED-SIGNAL INC. OF COLUMBIA ROAD AND PARK AVENUE, MORRIS TOWNSHIP, MORRIS COUNTY, NEW JERSEY 07062; THE UNITED STATES OF AMERICA.

Inventor(s) :

1. ROBERT GLKARD RICHARD—NEW YORK
2. JAN ROBERT SHANKLAND—NEW YORK
3. RAJIV RATNA SIGH—NEW YORK

Application for Patent No. : 0068/Del/92 filed on 30-01-92

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

#### 5 Claims

Non-azeotropic refrigerant compositions comprising from 10 to 90 weight percent of a first component selected from the group consisting of 1, 1, 1-trifluoroethane and difluoromethane and mixtures thereof, from 1 to 50 weight percent of a second component, carbon dioxide, and from 1 to 50 weight percent of a third component, pentafluorothane, wherein said non-azeotropic refrigerant compositions have a vapor pressure which is  $\pm 30\%$  of the vapor pressure of chlorodifluoromethane over the temperature range of 0°C to 100°C

(Compl. Specn. : 18 Pages;

Drgn. : 1 Sheet)

Ind. Cl. : 81

185533

Int. Cl. : E 21 B 35/00.

#### A PROCESS FOR THE MANUFACTURE OF FLAME RETARDANT ACRYLIC FIBRES.

Applicant : J. K. SYNTHETICS LIMITED, AN INDIAN COMPANY OF JAYKAYNAGAR, KOTA-324003, (RAJASTHAN), INDIA.

Inventor(s) :

1. NARESH DUTTA SHARMA—INDIA
2. BOMMU VENKATESHVERA RAO—INDIA
3. AKHILESH PANDEY—INDIA

Application for Patent No. : 0080/Del/92 filed on 04-02-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 4 Claims

A process for the manufacture of flame retardant acrylic fibre comprising preparing the acrylic fibre in any known manner characterized in that said acrylic fibre being treated with an aqueous solution of hydroxylamine hydrochloride, hydroxylamine phosphate and/or hydroxylamine sulphate together with water soluble resin at a temperature 40–130°C for a period of 0.5 to 6 hrs. for imparting flame retardant properties thereto.

(Compl. Specn. : 11 Pages,

Drgn. Nil Sheet)

Ind. Cl. : 171 XXXVIII (4).

185534

Int. Cl. : A 61 B 3/04, G02 B 27/18.

#### A ZEROPHSCOPE.

Applicant : KALAPPATTIL KRISHNANKUTTY AN INDIAN NATIONAL OF D-45, AMAR COLONY, LAJPAT NAGAR, NEW DELHI-110 024—INDIA.

Inventor : KALAPPATTIL KRISHNANKUTTY—INDIA.

Application for Patent No. : 0087/Del/92 filed on 06-02-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

#### 3 Claims

A zerophscope for viewing the insides of the patient's eye comprising a body (3) for accommodating dry cells (4) therein, a bulb (7) being provided in the neck portion (2) provided at one end of said body, a slanting plain mirror being (10) provided in the head portion (1) for reflecting the beam of light rays towards the eye of the patient, a hole (9) being provided in said head portion (1) on the doctors side thereof so that the doctor can see the inside of the patient's eyes, characterized in that a condensing lense (6) with or without another lense (8) being provided in the head portion (1) for condensing the light rays coming out from said bulb (7) for the maximum illumination of the retina of the eye, said slanting hole (9) is provided at an angle of 45 to 50° and, means being provided to vary the intensity of the light rays.

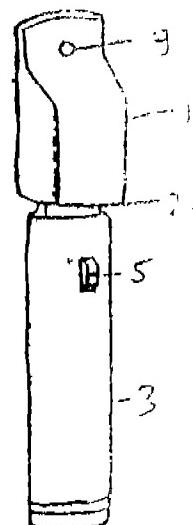


Fig-1

(Compl. Specn. : 7 Pages;

Drgns. 2 Sheets)

Ind. Cl. 23—H

185535

Int. Cl. E 04 H—1, 12

A DEVICE FOR CASING MONOLITHIC CONTAINERS, COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860)

## Inventor(s) .

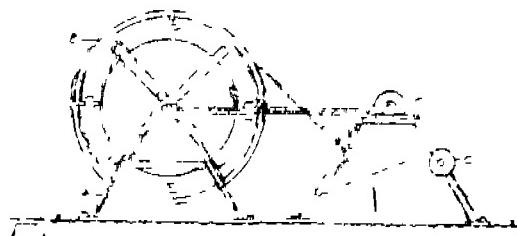
1. SULTAN SINGH JAIN—INDIA
2. JAMSHED AHMED—INDIA
3. SNEH LATA KHANDUJA—INDIA
4. ARJUN DEV GADH—INDIA

Application for Patent No : 229/Del/92 filed on 13th March, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005

## 3 Claims

A device for casting monolithic container which comprises a container (7), fixed on a casting platform (3) supported on columns (5) having central hole (4) equal to the diameter of mould (10) with a clearance gap (8), the said casting mould (10) fixed on a vertical threaded rod (14), through plate (6), said threaded rod (14) being vertically mounted on a bevel gear (2A), the said bevel gear (2A) being mounted by means of bearing on a support (13), the said bevel gear (2A) also being meshed to another bevel gear (2B) having conventional means (1,9,12) of rotating for upward or downward movement of the rod (14) & mould (10). A ramp (11) is provided for taking cast to curing place



(Compl. Specn. 6 Pages,

Drg. Sheets 3)

Ind. Cl. 2054

185536

Int. Cl. B 29 D. 30, 06

## IMPROVEMENTS IN INDUSTRIAL SOLID TIRES.

Applicant : UNROYAL CHEMICAL COMPANY INC, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW JERSEY, U.S.A. OF WORLD HEADQUARTERS, MIDDLEBURY CONNECTICUT-06749 U.S.A.

## Inventors :

- 1 DAVID MARSHALL CLONCH—USA
- 2 GEORGE HAMLIN NYBAKKEN—USA
- 3 RICHARD LOUIS PAULKAS—USA

Application for Patent No 0242/Del/92 filed on 17th March, 92

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch New Delhi-110 005

## 5 Claims

A solid tire formed of an elastomer and having a radial depth of at least half the total thickness of tire and a width in the axial direction of said wheel of at least double said

radial depth, said tire including at least one slot circling the periphery of said tire and dividing said tire into at least two annular sections separated by said slot having a depth of at least two thirds of the radial depth of said tire, and the ratio of the depth of said slot to the axial width, measured in the axial direction of the wheel, of at least one of said annular sections being in the range of 65 to 1.75

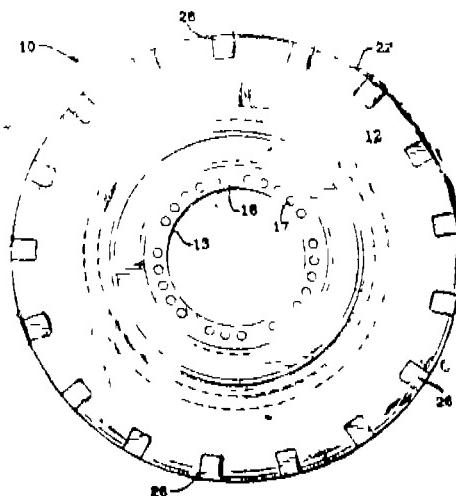


FIG. 1

(Compl. Specn. 16 Pages

Drg. Sheets 1)

Ind. Cl. 32E

185537

Int. Cl. C 08 F 220, 32

## A PROCESS FOR PREPARING A VISCOUS BLOCK COPOLYMER.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., A NETHERLANDS COMPANY, OF CAREL VAN BYI ANDLAAN 30,2596 HR, THE HAGUE, THE NETHERLANDS

## Inventors :

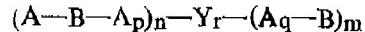
1. JAMES ROBERT RICKSON—USA
2. DAVID JOHN ST. CLAIR—USA

Application for Patent No. 292/Del/92 filed on 31st March, 92

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005

## 6 Claims

A process for preparing a viscous block copolymer of the formula



wherein Y is a coupling agent or coupling monomer, of the kind as herein described and wherein A and B are polymer blocks and A blocks have a molecular weight from 100 to 3000 and the B blocks have a molecular weight from 1000 to 15,000 said polymer blocks being selected from homopolymer blocks of conjugated diene monomers, copolymer blocks of conjugated diene monomers or copolymer blocks of conjugated diene monomers and monoalkenyl aromatic hydrocarbon monomers, and wherein the A blocks have a greater number of tertiary unsaturation (TU) sites per unit of block mass than do the B blocks, and wherein p and q are 0 or 1 and n > 0, r is 0 or 1 m > 0 and n + m ranges from 1 to 100

by polymerising conjugated diene monomer and/or monoalkenyl aromatic hydrocarbon monomers in a known manner.

(Compl. Specn. 12 Pages,

Drg. Sheet Nil)

Ind. Cl. : 170B 185538

Int. Cl<sup>1</sup> : C 11 D 3/00**A LAUNDRY DETERGENT COMPOSITION.**

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI STATE OF OHIO 45202, UNITED STATES OF AMERICA.

**Inventors :**

1. BUSCH, ALFRED—DENMARK.

2. MACCORQUODALE, FINLAY—BRITISH.

Application for Patent No. 314/Del/92 filed on 8th April '92.

Convention date 12491/91870062 5/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

**5 Claims**

A detergent composition for use in a wash solution, comprising conventional detergent ingredients including surfactants, builders and/or inorganic filler salt and other optional ingredients an alkaline cellulase at a level so as to deliver from 0.005 to 40 mg/l of the wash solution of said cellulase, and a polyvinylpyrrolidone of a molecular weight of from 8000 to 15000 at a level set so as to deliver from 5 to 500 mg/l of said polyvinylpyrrolidone in the wash solution.

(Compl. Specn. 41 Pages;

Drng. Sheet Nil)

Int. Cl. : 170B 185539

Int. Cl<sup>1</sup> : C 11D 1/00**A PARTICULAR DETERGENT COMPOSITIONS AND A PROCESS FOR PREPARING THE PARTICULAR DETERGENT COMPOSITION.**

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, U.S.A.

**Inventors :**

BAILLELY GERARD MARCEL—FRANCE

MOSS, MICHAEL ALAN JOHN—BRITISH

WILKINSON, CAROLE PATRICIA J—BRITISH

Application for Patent No. 344/Del/92 filed on 22-4-92

Convention Date 23-4-91/9108639.7/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

**17 Claims**

A particulate detergent composition having  $\text{P}^{\text{H}}$  as a 1% solution in 20°C distilled water, of at least 10, for use as, or as a component of, a solid laundry detergent composition, said particulate composition, comprising an intimate mixture of

(a) from 10% to 95% by weight of a crystalline layered silicate material of formula  $\text{NaMSi}_x\text{O}_{2x+1-y}\text{H}_y\text{O}$  where in M is sodium or hydrogen, x is a number from 1.9 to 4 and Y is a number from 0 to 20;

(b) from 5% to 90% by weight of a solid water-soluble ionisable material selected from organic acids, organic and inorganic acid salts and mixtures thereof, said solid water-soluble ionisable material having a mean particle size not greater than 300 micrometers;

(c) from 0% to 20% by weight of one or more binder agents as herein described,

(d) from 0% to 50% by weight of an anionic, nonionic, ampholytic or zwitterionic surfactant; and

(e) from 0% to 50% by weight of detergent ingredients as herein described other than those in (a) to (c) above.

(Compl. Specn. 48 Pages ;

Drng. Sheet Nil)

Ind. Cl. : 128A 185540

Int. Cl<sup>1</sup> : A 61F 13/16**AN ABSORBENT ARTICLE.**

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, U.S.A.

**Inventors :**

DONALD CARROLL ROE—U.S.A.

JERRY LAYNE DRAGO—U.S.A.

GARY BERNARD GILKESON—U.S.A.

Application for Patent No. 346/Del/92 filed on 22-4-92

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

**11 Claims**

An absorbent article comprising a liquid pervious topsheet, a liquid impervious backsheet joined to said topsheet, and an absorbent core positioned between said topsheet and said backsheet, said absorbent core comprises an absorbent structure comprising a primary structure and a plurality of particles wherein said primary structure holds said particles of substantially water insoluble, absorbent, hydrogel-forming, polymer material in said primary structure, the said particles are of such a size that at least 80% of said particles, by weight, will pass through a 50 mesh sieve with 297 micron openings and be retained on a 140 mesh sieve with 150 micron openings.

(Compl. Specn. 56 Pages ;

Drng. 10 Sheets)

Ind. Cl. : 76 F 185541

Int. Cl<sup>1</sup> : A44 B, 11/00**A MULTI-ZONE FEMALE COMPONENT FOR A REUSABLE FASTENING DEVICE.**

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, U.S.A.

Inventor : DAVID JOSEPH KENNETH GOULAIT—U.S.A.

Application for Patent No. 0423/Del/92 filed on 18-5-92

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

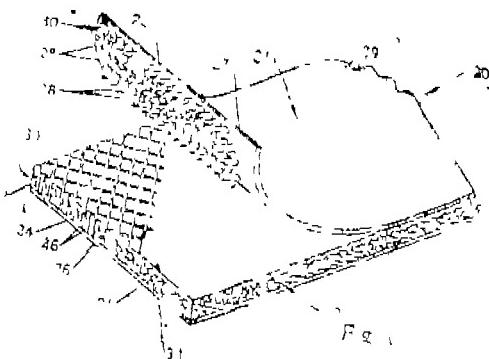
**5 Claims**

A multi-zone female component (22) for a refastenable fastening device, capable of engaging a complementary hook fastening component having a base with individual hooks having blunt heads extending outward from said base, comprising :

a first zone (30) comprising a first nonwoven web having a basis weight of between 8.5 and 18 g/meter<sup>2</sup> comprised of fibers with a denier of between 2 and 15;

a second zone (32) comprising a second nonwoven web having a basis weight of between 8.5 and 36 g/meter<sup>2</sup> comprised of fibers with a denier of between 2 and 15; and

a backing (34) adjacent said second nonwoven web, wherein said first nonwoven web and said second nonwoven web are held in place with respect to said backing with said second nonwoven web between said first nonwoven web and said backing.



(Compl. Specn. 63 Pages ;

Drng. 11 Sheets)

Ind. Cl. : 115

185542

Int. Cl.<sup>4</sup> : B29 D, 7/00**MULTILAYERED FILMS OR SHEETS.**

Applicant : STANDIPACK PRIVATE LIMITED, AN INDIAN COMPANY OF 25 COMMUNITY CENTRE EAST OF KAJLASH, NEW DELHI-110065, INDIA.

Inventor : KAMAL MEATTLE—INDIA.

Application for Patent No. 0429/Del/92 filed on 18-5-92.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

**6 Claims**

A multi-layered sheet comprising at least one layer of copolyesterether, at least one tie layer, and at least one layer of polyolefin wherein said tie layer is positioned between each of the copolyesterether and polyolefin layers.

(Compl. Specn. 13 Pages ;

Drng. Sheet Nil)

Ind. Cl. : 136I, 145F

185543

Int. Cl.<sup>4</sup> : B 27D 1/08, B 31F 1/20**AN IMPROVED PROCESS AND APPARATUS FOR PRODUCTION OF ASPHALTIC ROOFING SHEETS.**

Applicant : VANGALA PATTABHI, C/o T. S. R. K. LOHIT 1/24, SARVA PRIYA VIHAR (GROUND FLOOR) New DELHI—INDIA

Inventor : VANGALA PATTABHI—INDIA,

Application for Patent No. 438/Del/92 filed on 20-5-92.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules 1972) Patent Office Branch, New Delhi-110 005

**6 Claims**

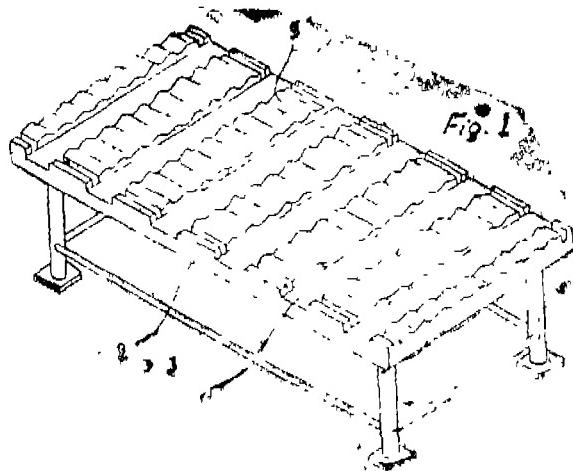
An improved process for the production of asphaltic roofing sheets having a shape or profile, such as in the form of corrugations comprising

(i) forming green sheets from pulp by any known method, characterized in that

(ii) reducing the moisture content of the green sheet to 120 to 160% of the dry weight of the sheet,

(iii) subjecting the wet green sheet to step of formation of a profile, such as corrugations, thereon by a profile imparting member; and

(iv) drying said sheet while still being supported on said profile imparting member so as to obtain the required toughness and stiffness.



(Compl. Specn. 13 Pages ;

Drng. 1 Sheet)

Ind. Cl. : 98 E

185544

Int. Cl.<sup>4</sup> : F 28 D 1/00**HEAT EXCHANGER.**

Applicant : TOYO ENGINEERING CORPORATION, A BODY CORPORATE ORGANISED UNDER THE LAWS OF JAPAN, OF 2-5 KASUMIGASFKI 3-CHOME, CHIYODA-KY, TOKYO, JAPAN

Inventors :

HIROSHI OTOBE,  
KIYOSHI NAKAO &  
YUJI KAWAMOTO (JAPAN)

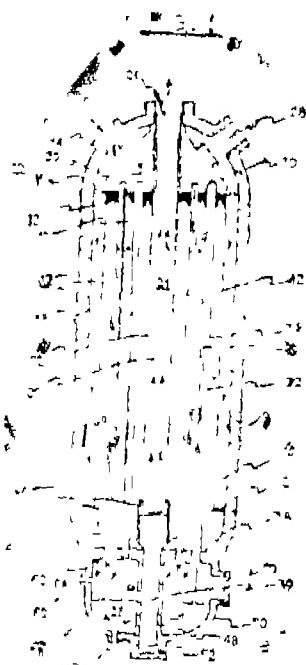
Application for Patent No. 454/Del/92 filed on 26-5-92.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-110005

**5 Claims**

A heat exchanger comprising a first cylindrical shell (10) closed at one end thereof and having a main tube plate (38) at other end, said main tube forming an intermediate space (66) with a second cylindrical shell and an auxiliary tube plate (58) enclosing said intermediate space at the other end said auxiliary tube plate (58) forming an inner

tube (56) space with a third cylindrical shell (50), said third cylindrical shell closed at the other end thereof; said main plate having plurality of outer tubes (34) projected therefrom into said first cylindrical shell which are closed at their free end and open into said intermediate space; said auxiliary tube plate having plurality of inner tubes (36) projected therefrom into each said outer tube which open both at their free ends and into said inner tube space at said auxiliary plate; said first cylindrical shell having an inlet (14) and an outlet (26) for a first fluid; second cylindrical shell having a first opening (68) and said third cylindrical shell having a second opening (54) characterized in that the major part of the portion of each said inner tube (36) which is exposed in said intermediate space (66) is provided with means to enable removal of said exposed inner tube to be detached from said intermediate space, said inner tube being removable from said auxiliary plate and being forcible into the relative outer tube by a distance substantially equal to a length of the portion of said inner tube disposed in said intermediate space and fixable to said main tube plate, so that said intermediate space is substantially empty.



(Compl. Specn. · 21 Pages;

Drawings · 5 Sheets)

Ind. Cl. · 146 C &amp; D

185545

Int. Cl. : G 01 B 11/00

#### AN APPARATUS FOR MEASURING THE SURFACE CHARACTERISTICS OF OBJECT

Applicant : RANK NEMO (HTR) LTD, A BRITISH COMPANY, OF 2 NEW STAR ROAD, LEICESTER, LE4 9JQ, ENGLAND

##### Inventors :

IAN KARL BUEHRING &  
DANIEL MANSFIELD

Applicant for Patent No 463/Del/92 filed on 29-5-92

Convention date 30-9-91/9111657.4/(U.K.)

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005

##### 41 Claims

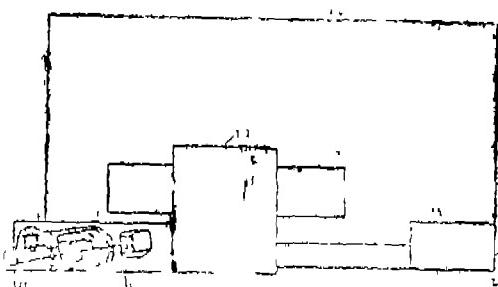
An apparatus for measuring the surface characteristics of an object, which apparatus comprises:

a probe (130) for contacting and moving along a surface to be measured;

a probe support (120) on which said probe is mounted for movement about a pivot axis (121) provided by said probe support (120) to enable said probe (130) to follow said surface; and

a grating interferometer for providing a measure of the pivotal movement of the probe, said interferometer incorporating a diffraction grating (300) connected to said probe support to enable the grating (300) to move with said probe (130), said diffraction grating (300) presenting a

curved surface for receiving an illuminating beam (310) with the centre of curvature of said diffraction (300) grating being located at the pivot axis (121) of said probe



(Compl. Specn. · 63 Pages:

Drawings · 21 Sheets)

Ind. Cl. : 14C

185546

Int. Cl. : H 01 M—6/02

#### "AN ELECTROCHEMICAL CELL"

Applicant : DURACELL INC, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATES OF DELAWARE, OF 37 A STREET, NEEDHAM, MASSACHUSETTS 02194, UNITED STATES OF AMERICA

##### Inventors :

CHIH-CHUNG WANG—U.S.A.

TERRY CHARLES EISENSMITH—U.S.A.

CHARLES EDMOND KIERNAN—U.S.A

ROBERT LOUIS MILANESE—U.S.A

Application for Patent No 468/Del/92 filed on 1-6-92

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110003

##### 11 Claims

An electrochemical cell having two external terminals (20, 22) a label (24, 124) and a cell condition indicator (12, 112); said cell comprising a cylindrical container (10) having an outer surface that provides one of said terminals (20 or 22); and electricity conducting means (127) from inside of said container, through a cover, (130, 140) which seals said container (10), to another of said external terminals (22, 122) and said cell condition indicator (12, 112) comprises a thermochromic display and a resistance heating element (15, 115) located between two electrical contacts (14, 16) which during the operation of said cell condition indicator (12, 112) are electrically contacted to said terminals (20, 22) wherein a said contact (14, 16) disengaged at one of said terminals (22 or 20) is separated from electrical contact therewith by an aperture (19, 119) in an electrically insulating film (18, 118) whereby for actuation of said indicator (12, 112) said contact

(14, 16) is brought into electrical contact with the terminal (20, 22) by application of external pressure to cause the contact (14, 16) to pass through said aperture (19, 151) in said insulating film (18, 118) and thermal insulating film (18, 118) if located between said resistance heating element (15, 115) and said electrochemical cell container (10).

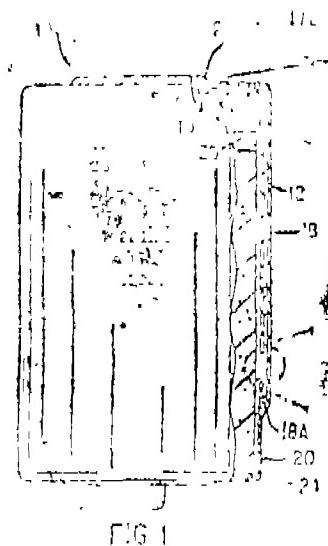
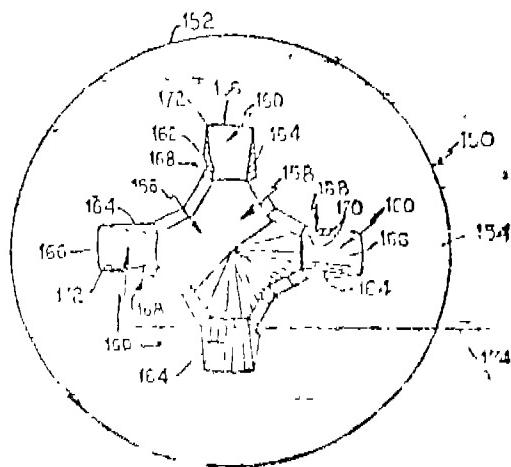


FIG. 1

than the vertical wing angle B, said apex angle being measured in a plane normal to the rib edge.

FIG. 5



Ind. Cl. : 140 A<sub>2</sub>

185549

Ind. Cl. : 21B

185550

Int. Cl. : C 10 M 101/02

Int. Cl. : A 43 B 13/00

**"A LUBRICANT COMPOSITION FOR TWO-CYCLE-ENGINE".**

Applicant : THE LUBRIOL CORPORATION, 29400  
LAKELAND BOULEVARD WICKLIFFE, OHIO 44092-  
2298 UNITED STATES OF AMERICA.

## Inventors :

PAUL ERNEST ADAMS—U.S.A.

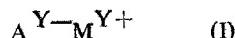
WILLIAM KENETH STEPHAN CLEVELAND—  
SHERI LEE BLYSTONE—U.S.A.

Application for Patent No. 485/Del/92 filed on 9-6-92.

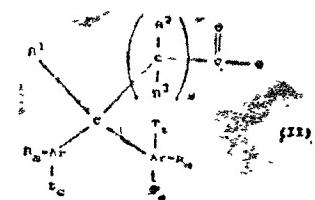
Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

## 35 Claims

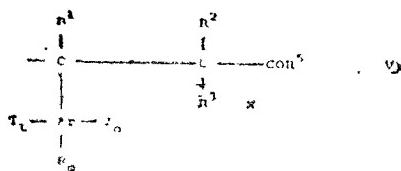
A lubricant composition for two-cycle engines comprising at least 50% by weight of an oil of lubricating viscosity such as herein described and less than 50% by weight of a compound of the general formula (I) :



wherein M represents metal ions, Y is the total valence of all M and A represents one or more anion containing groups having a total of about Y individual anionic moieties and each anion containing group is a group of formula (II) :



wherein T is selected from the group consisting of formula (V) :



wherein each R<sup>5</sup> is independently selected from 0- and OR<sup>6</sup> wherein R<sup>6</sup> is H or alkyl and each t is independently 0 or 1, wherein T is as hereinbefore defined and wherein each Ar is independently an aromatic group of from 4 to about 30 carbon atoms having from 0 to 3 optional substituents selected from the group consisting of polyalkoxyalkyl lower alkoxy, nitro, halo or combinations of two or more of said optional substituents, or an analog of such an aromatic group, each R<sup>7</sup> is independently a hydrocarbyl group, R<sup>8</sup> is H or a hydrocarbyl group R<sup>9</sup> and R<sup>10</sup> are each independently H or a hydrocarbyl group (each m is independently 0 or an integer ranging from 1 to about 10 x ranges from 0 to about 8, and each z is independently OH (OR')<sub>b</sub> OH or O- wherein each R<sup>11</sup> is a divalent hydrocarbyl group and b is a number from 0 to about 30 and c ranges from 0 to about 2 with the proviso that when t in Formula (II) = 0 or when T is Formula (V), then c is not 0, provided that the sum of m, c and t, does not exceed the valences of the corresponding Ar).

(Compl. Specn. : 56 Pages;

Drwg. : Nil Sheet)

(Compl. Specn. : 4 Pages;

Drwg. : 1 Sheet)

Ind. Cl. : 128G

185551

Int. Cl. : A 41 B 13/16

**"A DISPOSABLE ABSORBENT ARTICLE WITH DYNAMIC ELASTIC WAIST FEATURE".**

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, UNITED STATES OF AMERICA.

## Inventor(s) :

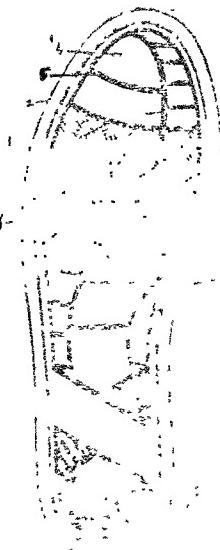
KENNETH BARCLAY BUTT—U.S.A.

SANDRA HINTZ CLEAR—U.S.A.

DANIELIA THREASE FAUCONE—U.S.A.

Application for Patent No. 495/Del/92 filed on 11-6-92.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.



## 10 Claims

An improved disposable absorbent article (20), comprising:

a containment assembly (22) comprising an absorbent core (28) having side edges (82) and waist (83) edges, a liquid pervious topsheet (24) and a liquid impervious backsheet, (26) said absorbent core positioned between said topsheet and said backsheet;

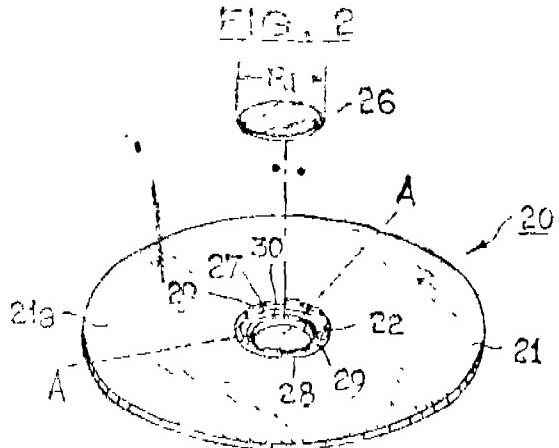
an elastic waist feature (34) at least extending longitudinally outwardly from one of said waist edges of said absorbent core, wherein said elastic waist feature comprises:

- (a) an elasticized waistband (35) comprising
  - (i) a shaping panel zone (130) zone being elastically extensible in at least the lateral direction,
  - (ii) a waistline panel zone (138) resiliently flexurally joined with said shaping panel zone, (130) said waistline panel zone (138) being elastically extensible in at least the lateral direction, and
  - (iii) a predisposed, resilient, waistband flexural hinge (140) zone joining said shaping panel (130) zone and said waistline panel (138) zone for allowing relative flexural bending between said shaping panel zone and said waistline panel zone when forces are applied and for providing a restoring force/moment to resiliently return said shaping panel zone and said waistline panel zone to essentially their preceding in-use configuration when the forces are removed, said waistband flexural hinge (140) zone having a bending flexure restoring force greater than 20 grams, and
- (b) a second flexural hinge zone (154) joining said elasticized waistband to said containment assembly; and a closure assembly (36) disposed on the absorbent article for creating/maintaining lateral tension through at least a portion of said elasticized waistband.

(Compl. Specn. : 21 Pages;

Drwng. : 5 Sheets)

characterised in that the magnetic member (26, 105) is accommodated in a recess (27, 106) integrally moulded at the middle of one major surface of the disc base plate (21, 102) and is held therein by holding means, said holding means (29a, 102) integral with the disc base plate (21, 102) and which holds the magnetic member (26, 105) in the recess with a predetermined gap ( $D_1, D_2, D_3, D_4$ ) the magnetic member (26, 105) and the disc base plate (21, 102).



(Compl. Specn. : 21 Pages;

Drwng. : 5 Sheets)

Ind. Cl. : 206 L

185553

Int. Cl. : G 11 B, 7/00

## ‘A RECORDING DISC FOR RECORDING INFORMATION SIGNALS’.

Applicant : SONY CORPORATION, A JAPANESE COMPANY, OF 7-35, KITASHINAGAWA 6-CHOME, SHINAGAWA-KU, TOKYO, JAPAN.

Inventor : HIROSHI MUKAWA—JAPAN.

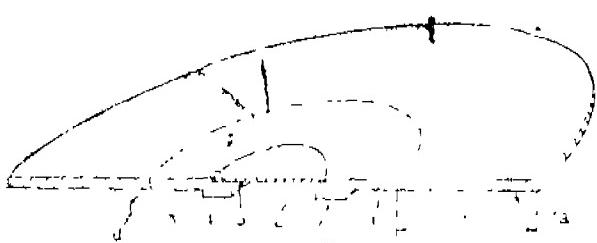
Application for Patent No. 0503/Del/92 filed on 11-06-92.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 7 Claims

A recording disc (a) for recording information signals comprising a disc substrate (1) carrying a signal recording section (4) on at least a surface (12) thereof, characterised in that said disc (d) is provided with a positioning reference plane (42) at a central region of one of the surfaces of said disc substrate, (1) and an upright wall portion for integrally connecting said reference plane (42) to said signal recording section (4) an annular rig (4) provide at a central portion of the surface of the disc substrate (1) on which a recording/reproducing light beam is incident, said rib (4) having a center on the same axis as a center hole (5) traversing said disc substrate (1) from one (12) to the other surface thereof.

FIG. 3



(Compl. Specn. : 24 Pages;

Drwng. : 6 Sheets)

## 11 Claims

An optical disc comprising :

a disc base plate (21, 102) made of a light transmitting synthetic resin material and a magnetic member (26, 105) held on the middle of the disc base plate (21, 102) by holding means;

Ind. Cl. : 129 G

185554

Int. Cl. : B21C 37/02

**AN IMPROVED LASER WELDING APPARATUS AND AN IMPROVED METHOD TO BUTT WELD A PLURALITY OF METALLIC SHEETS**

Applicant : A. K. STEEL CORPORATION, A DELAWARE CORPORATION OF 703 CURTIS STREET, MIDDLETON, OHIO 45043, USA.

Inventor : GAR LOUIS NEUHEISEL, (USA).

Application for Patent No. 522/Del/92 filed on 16-6-92

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

16 Claims

An improved laser welding apparatus (10, 210) for butt welding a plurality of metallic sheets (12, 13, 212, 213) along a relatively long common (15) seam line, said apparatus comprising :

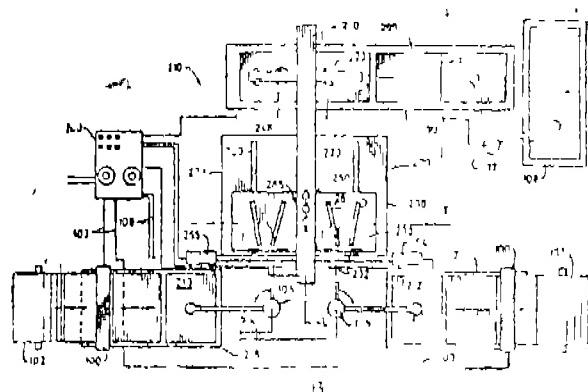
a welding (20, 220) table having an upper (34, 234) surface on which a plurality of metallic sheets (12, 13, 212, 213) may be supported for welding along a common (15) seam line, a longitudinal (L) axis along which said seam (15) line will be aligned, a transverse (T) axis substantially perpendicular to said longitudinal (L) axis, and a pair of transversely spaced (38, 39), (238, 239) side edges ;

a plurality of substantially identical laser welding (50, 250) devices mounted above said upper (34, 234) surface and aligned such that their welding beams will be directed along said common (15) seam line, said welding (50, 250) devices each being effectively spaced at a distance from one another along said longitudinal (L) axis, and means (163) for independently adjusting a plurality of said welding means in a direction parallel to said transverse (T) axis to track said seam (15) line;

means (17, 18, 217, 218) for loading sheets to be butt welded onto said upper (34, 234) face, said loading means providing a first sheet (12, 212) generally along said transverse (7) axis from one side (38, 238) edge of the table, and a second sheet (13, 213) generally along said transverse (7) axis and from the other side (39, 239) edge;

means (36, 285, 189) for aligning said metallic sheets (12, 13, 212, 213) on said upper surface (34, 234) in abutting relationship along a common (15) seam line and

means (25, 255) for simultaneously moving said welding (50, 250) devices relative to said seams (15) line along said longitudinal (L) axis, and means for simultaneously operating said welding (50, 250) devices to weld said sheets (12, 13, 213, 212) together, whereby each laser (50, 250) welds only a portion of said sheets along said seam line (15) and the length of said relative movement is greater than said spacing (X) distance between adjacent welding (50, 250) devices to insure some overlap of welding along said seam (15) line.



(Compl. Specn. 26 Pages)

Drawn. 2 Sheets

Ind. Cl. : 129 G 1

185555

Int. Cl. : B 21 H, 8/00, B21 J, 15/00, 15/10

**AN APPARATUS FOR MAKING SCREWS, RIVETS AND OTHER ELONGATED OBJECTS**

Applicant : ENKOTEC A/S, A DANISH COMPANY, DANMARKSVEJ 37 DK-8660 SKANDERBORG, DENMARK

Inventors :

- (1) OVE NEILSEN, DENMARK.
- (2) JESPER FRANDESEM, DENMARK.

Application for Patent No. 525/Del/92 filed on 16-06-92

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

An apparatus for making screws, rivets and other elongated objects, comprising a stationary cropping bushing through which a wire is movable forwardly to a movable cropping bushing to release a wire blank in a subsequent cropping process from the wire for further forming wherein the movable cropping bushing is secured to a transport device by means of which it is movable from a receiving position opposite the stationary bushing to a discharge position opposite a die between said die and a punch provided to move the blank partly into the die and to compress the blank sufficiently to pre-up set it by cold flowing in the region between the die and the movable cropping bushing characterized in that at least two movable cropping bushings are arranged in a rotatable cropping table in such a way that when one movable cropping bushing is in a receiving position, another cropping bushing is simultaneously in a discharge position.

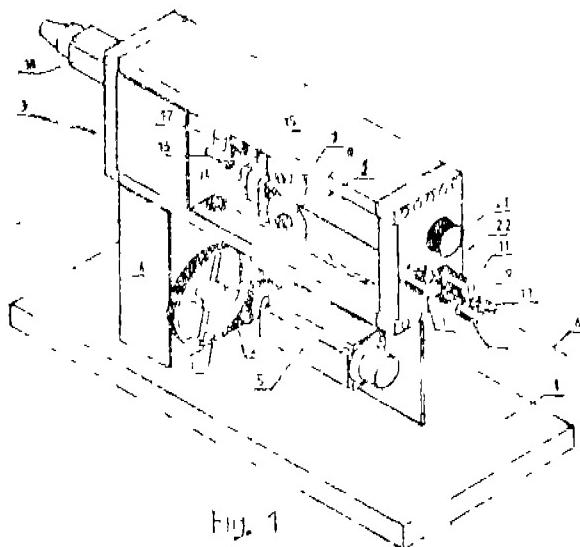


Fig. 1

(Compl. Specn. 35 Pages)

Drawn. Sheets 22)

Ind. Cl. : 129 G 1

185556

Int. Cl. : B 21 H, 8/00, B21 J, 15/00, 15/10

**AN APPARATUS FOR MAKING A HEAD ON AN ELONGATE BLANK**

Applicant : ENKOTEC A/S, A DANISH COMPANY, DANMARKSVEJ 37 DK-8660 SKANDERBORG, DENMARK

Inventors :

- (1) OVE NEILSEN, DENMARK.
- (2) CLAUS FLEMMING MADSEN, DENMARK.

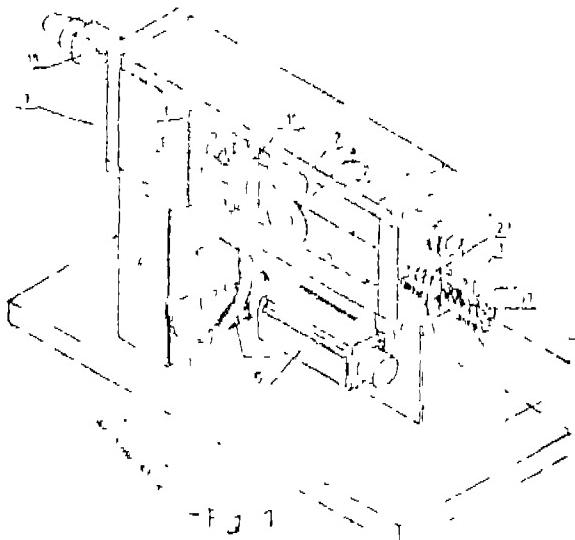
Application for Patent No. 526/Del/92 filed on 16-06-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005

## 16 Claims

An apparatus for forming a head on an elongate blank (26) said apparatus comprising :

a die (16) having a bottom stop (28) and a through hole for receiving an elongated blank (26) such that one end of the blank contacts said stop and an opposite end portion of the blank extends outside the die at an end thereof opposite the bottom stop, pre-upsetting means (25) for deforming the portion of the blank extending outside the die to produce a deformed portion from which a head can be formed on the blank, said pre-upsetting means (25) comprising a pie-upsetting bushing (25) in extension of the die (16) and a punch (27) slidably movable in the pre-upsetting bushing to engage an of said portion of the blank extending from the die and apply pressure to the blank characterised in that the said apparatus comprises : means for positively controlling relative movement of the punch (27) and one of the preupsetter (25) and the die (16) with respect to each other to move one of the preupsetter and die from each other while the said pie upsetting punch (27) continue to press in a direction towards the die and thereby achieving a greater upsetting ratio than about 5.



(Compl. Specn. 32 Pages;

Drgn Sheets 22)

Ind. Cl. : 189 L VI (9)

185557

Int. Cl.<sup>4</sup> : B26B, 19/00, 21/00, 21/10,  
21/14, 21/18, 21/20

## A PROCESS FOR FORMING A RAZOR BLADE

Applicant : THE GILLETTE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, OF PRUDENTIAL TOWER BUILDING, BOSTON, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

## Inventors :

- (1) CHARLES ROBERT PARENT, U.S.
- (2) JOHN MADEIRA, U.S.
- (2) STEVEN SYNG-HI HAHN, U.S.
- (4) CHONG-PING PETER CHOU, U.S.
- (5) LAMAR EUGENE BROOKS, U.S.

Application for Patent No. 530/Del/92 filed on 17-06-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patent, Rules, 1972), Patent Office Branch, New Delhi-110005.

## 11 Claims

A process for forming a razor blade comprising the steps of forming a wedge-shaped sharpened edge on a substrate that has an include angle of less than thirty degrees and a tip with a radius of curvature of less than twelve hundred angstroms; disposing said substrate and a solid target member in a chamber, and sputtering said solid target member to generate carbon atoms for forming a layer of diamond or diamond-like carbon material on said sharpened edge of said substrate from said carbon atoms from said solid target member while an RF bias is applied to said substrate; said layer of diamond or diamond-like carbon material having an ultimate tip of said diamond or diamond-like carbon material with a radius of curvature of less than 500 angstroms and an aspect ratio, defined as the ratio of (a) the distance from the ultimate tip to the tip of the wedge shaped sharpened edge and (b) the width of the diamond or diamond-like carbon material at the tip of the wedge-shaped sharpened edge, in the range of 1 : 1-3 : 1.

(Compl. Specn. 17 Pages;

Drgn Sheets 2)

Ind. Cl. : 189

185558

Int. Cl.<sup>4</sup> : A 61 K 7/16

## A DENTIFRICE COMPOSITION HAVING A RDA VALUE LESS THAN 150 AND PROCESS FOR PREPARING THE SAME.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK, NEW YORK-10022, UNITED STATES OF AMERICA.

## Inventors :

- (1) DANIEL COLODNEY, U.S.A
- (2) KATHLEEN PATRICIA THOMAS, U.S.A

Application for Patent No. 539/Del/92 filed on 19th June, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi 110005

## 9 Claims

A dentifrice composition having a RDA value less than 150 which provides a prophyl mouthfeel to the user thereof during toothbrushing, the dentifrice comprising :

a vehicle of the kind such as herein described having dispersed therein a siliceous polishing agent at a concentration of 10 to 40% by weight having a particle size distribution of 1 to 100 microns wherein (1) more than 25% of the particles have a size of greater than 20 microns and (2) at least 10% of the particles of (1) have a particle size greater than 60 microns and at least 5% of the particles have a particle size greater than 80 microns and particle size distribution of silica in the dentifrice is as follows :—

Particle size	% of silica particles in dentifrice
20	50 to 70
> 40	10 to 40
> 60	1 to 20
> 80	1 to 10

(Compl. Specn. 18 Pages;

Drgn. Sheet Nil)

Ind. Cl. : 145 A

185559

Int. Cl<sup>1</sup> : B 31 D, 1/04

## A SINGLE LAMINA CELLULOSIC FIBROUS STRUCTURE AND AN APPARATUS THEREOF.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GABLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

Application for Patent No. 559/Del/92 filed on 26-6-92.

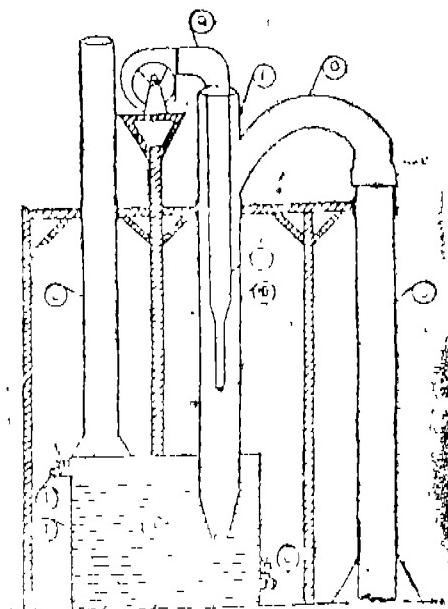
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 13 Claims

A single lamina cellulosic fibrous structure comprising at least three regions, said three regions disposed in a nonrandom, repeating pattern and being distinguished from each other by at least one intensive property, selected from the group consisting of basis weight, density, and projected average pore size, wherein the said basis weight or density of at least one region is at least 25 percent different than said basis weight or density of another region.

(Compl. Specn. 75 Pages ;

Dign. 16 Sheets)



(Compl. Specn. 8 Pages;

Drgn. Sheet 1)

Ind. Cl. : B01 D, 53, 00

185560

Int. Cl<sup>1</sup> : 85 S, 6 B-2

## A DEVICE FOR PURIFYING EXHAUST GASES EMITTING FROM FURNACES.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor : ASIM KUMAR GUHA, INDIA.

Application for Patent No. 575/Del/92 filed on 30-06-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 2 Claims

A device for purifying exhaust gases emitting from furnaces which comprises a water tank (T) having an inlet (1) and outlet (0) provided with valves (V<sub>1</sub>V<sub>2</sub>) for controlling the flow of water, the said tank (T) being provided with two openings at the top for fixing chimneys, a chimney (E) being fixed in one of the said openings of the said tank, the said chimney (E) having two parts, one part of the said chimney (E) being straight (B), both ends of the said straight part (B) being open, the lower end of the said part (B) being conical in shape and extending into the said water tank, the other part (D) of the said chimney (E) being bent in a semicircular manner, the said bent part (D) being fixed to the said straight part (B) near the top, the open end of the said bent part (D) being in the form of a funnel (1') so as to facilitate tight fitting with the mouth of the furnace stack (S), a pipe (P) being fixed inside the said straight part (B) of the said chimney (E), the said pipe (P) being connected to an air blower

(Q) & passes all three fourth of the length of the said chimney (E), another straight chimney (O) being fixed through the other opening at the top of the said tank (T).

## OPPOSITION PROCEEDINGS

An opposition entered by M/s. Crompton Greaves Ltd., to the grant of a patent to the application No. 173019 (256/Bom/91) has been dismissed and the application for patent has been ordered to proceed for sealing.

An opposition entered by M/s. Bajaj Auto Limited, Pune to the grant of a patent to the application No. 181865 (573/Cali/94) has been withdrawn and the application for patent has been ordered to proceed for sealing.

An opposition has been entered by Harbans Lal Malhotra & Sons Ltd., Calcutta to grant of a Patent on application No. 184237 (891/Del/91) dated 20-03-1991 made by The Gillette Company, USA.

An opposition has been entered by Dr. K. Venkateshwari, Bangalore-560 018 to the grant of a Patent Application No. 184504 (655/Bom/1997) made by M/s. Syntit Drugs Private Limited, Mumbai-400 018.

## AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Eaton Corporation, a corporation organized and existing under the laws of the State of Ohio, having its principle place of business at 1111 Superior Avenue, Cleveland, Ohio 44114, U.S.A., have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 183905 for "Apparatus for generating a signal representative of a total harmonic distortion in waveforms of an A/C electrical systems". The amendments are by way of change of complete specification.

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700020. If the Written Statement of opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said notice.

## RENEWAL FEES PAID

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Patent Sealed on 25.01.2001

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 184192 184194 184196 184197 184198 184199 184200

Cal-09, Del-Nil, Mum Nl, Chen-06.

Patent shall be deemed to be endorsed with words licence or Right Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D-Drug Patents

F-Food Patents

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 3. No. 182860. Mattel, Inc. of 333, Continental Boulevard, El Segundo, California, 90245-5012, USA, "CONTAINER FOR PLAYING PIPCFCS FOR A GAME". 27th January 2000, Priority (U.K.), "RACK FOR SUPPORTING PLAYING PIPCFCS FOR A GAME".

Class 3. No. 182859. Mattel, Inc. of 333, Continental Boulevard, El Segundo, California, 90245-5012, USA, "GAMES BOARD". 27th January 2000, Priority (U.K.), "GAMES BOARD".

Class 3. No. 178998. Ahmed Mills, an Indian Partnership firm of Two Tinks, 170, Maulana Shawkatali Rd., Mumbai 499998, "CONTAINFR". 18th March, 1999.

Class 3. No. 182194. Plastics & Metallizing Pvt. Ltd. (a Pvt. Ltd. Co.) of Veer Savarkar Marg, Prabhadevi, Mumbai-400025 Maharashtra, India, "PLASTIC COMB". 25th April 2000.

Class 3. No. 182430. F1 Action Toy Co. Company of Tour Elf, 2, Place De La Course, La Defense 6, 92400 Courbevoie, France, "DRUM". 23rd May 2000.

Class 3. No. 182636 & 182638 Ajanta Watch Ltd., of Orotan Industrial Estate, Raikot Highway Morbi-363617 Gujarat, India, "WALL CLOCK". 16th June 2000.

Class 3. No. 182797, 182798, 182799, 182800, 182801, 182802, 182803 Merz & Krell GmbH & Co. of Bahnhofstraße 76, 64401 Gross-Bieberau, Germany, "BALI PEN". 4th July, 2000.

Class 3. No. 182809. Sanarti International, an Indian Partnership firm of S-158, Greater Kailash Part II, New Delhi-110048 India, "MODULAR HAND SIGNAL LAMP". 6th July 2000.

Class 3. No. 182878 National Institute of Design, Plot No. 380007, Ahmedabad 380007 Gujarat, India, "WRITING AID FOR RHEUMATOID ARTHRITIC PERSON". 14th July 2000.

Class 3. No. 182907. Siemens Aktiengesellschaft, Wittelsbachstrasse 2, 80333 München, Germany, "TELEPHONE". 17th July 2000.

Class 3. No. 183026 Panduit Corp. of 17301, Ridgefield Avenue, Tippecanoe Park, NJ 07847-3091 United States of America, "SPLIT OPTIC PLUG CONNECTOR". 26th July 2000.

Class 3. No. 183028, 183029 & 183030 ITM Enterprises, 1, French "Savoirs Andorre", 21 Rue Auguste Chabrolles, 75015 Paris, "RAZOR" "RAZOR IN HOLDER" "HOLDER FOR RAZOR". 26th July 2000.

Class 3. No. 183031, 183035 & 183037 V.I.P. Industries Ltd., an Indian Co. of BGP House, 88 C, Old Prabhadevi Road, Mumbai 400025 Maharashtra, India, "SUITCASE". 28th July 2000.

Class 3. No. 183097. National Bulb Products, Plot No. 19, Algaon Industrial Company, Opp : Atgaon Rly. Station, Villages-Atgaon, Tal : Shahapur, Dist. Thane, (Maharashtra), "BOTTLE CAP". 1st Aug. 2000.

- Class 3. No. 183341. Universal Luggage Manufacturing company Limited at BI Building, 3rd Floor, Shah Industrial Estate Saki Vihar Road, Mumbai 400072 Maharashtra, India. "Sultaan". 10th August 2000.
- Class 3. No. 183586. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Dimmer Knob". 31st October 2000.
- Class 3. No. 183558. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Switch". 3rd October 2000.
- Class 3. No. 183560. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Switch Plate". 3rd October 2000.
- Class 3. No. 183566. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Switch Plate". 3rd October 2000.
- Class 3. No. 183583. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Socket". 3rd October 2000.
- Class 3. No. 183584. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Socket". 3rd October 2000.
- Class 3. No. 183582. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (F), Mumbai-400054, Maharashtra, India. "Socket". 3rd October 2000.
- Class 3. No. 183588. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Fuse". 3rd October 2000.
- Class 3. No. 183578. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Socket", 3rd October 2000.
- Class 3. No. 183564. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Switch Plate". 3rd October 2000.

H. D. THAKUR  
Controller General of Patents,  
Designs & Trade Marks